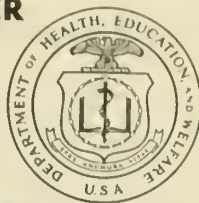


COMMUNICABLE DISEASE CENTER

Morbidity and Mortality



Vol. 14, No. 46

WEEKLY
REPORTWeek Ending
November 20, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

SALMONELLA SURVEILLANCE

ANNUAL SUMMARY 1964

A total of 21,113 isolations of salmonellae from human sources was reported to the Salmonella Surveillance Unit during 1964. This represents an increase of 13.2 percent over the previous year; the seasonal pattern in 1964 was generally similar to 1963 although the peak of incidence occurred one month earlier in 1964. The average number of isolations each week during 1963 and 1964 and the seasonal pattern are portrayed in Figure 1. The "expected" seasonal pattern is based on a seasonal index computed from data reported monthly. There were 57 deaths recorded as due to salmonella infections

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during the year resulting in a death to case ratio of 0.27 percent as compared to 0.34 percent in 1963.

Non-human isolations accounted for 5,461 recoveries of salmonella which is an increase of one percent over the previous year. A close correlation was noted between the ten most frequently reported serotypes isolated from human and non-human sources. (Table 1)

(Continued on page 394)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	46th WEEK ENDED		MEDIAN 1960 - 1964	CUMULATIVE, FIRST 46 WEEKS		
	NOVEMBER 20, 1965	NOVEMBER 14, 1964		1965	1964	MEDIAN 1960 - 1964
Aseptic meningitis	45	52	49	1,882	1,914	2,312
Brucellosis	4	6	8	221	357	357
Diphtheria	4	8	12	145	244	398
Encephalitis, primary infectious	39	63	---	1,713	2,965	---
Encephalitis, post-infectious	7	6	---	600	736	---
Hepatitis, infectious including serum hepatitis	667	621	817	29,862	33,726	38,292
Measles	1,702	1,539	2,483	249,121	471,218	407,506
Meningococcal infections	69	46	41	2,702	2,454	1,952
Poliomyelitis, Total	—	2	21	52	106	798
Paralytic	—	1	17	38	84	632
Nonparalytic	—	—	---	10	11	---
Unspecified	—	1	---	4	11	---
Streptococcal Sore Throat and Scarlet fever	7,333	6,436	5,767	343,434	346,917	279,603
Tetanus	11	5	---	245	249	---
Tularemia	4	2	---	228	293	---
Typhoid fever	11	6	12	392	406	568
Rabies in Animals	79	72	63	3,847	3,989	3,285

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	7	Rabies in Man:	1
Botulism:	13	Smallpox:	—
Leptospirosis: N.J. - 1	49	Trichinosis: Calif. - 1	101
Malaria:	73	Typhus -	
Plague:	6	Murine:	24
Psittacosis: Pa. - 1, Texas - 1	39	Rky. Mt. Spotted: N.C. - 1, N.Y. Up-State - 1, Ga. - 2	256
Cholera:	2		

SALMONELLA SURVEILLANCE

ANNUAL SUMMARY 1964

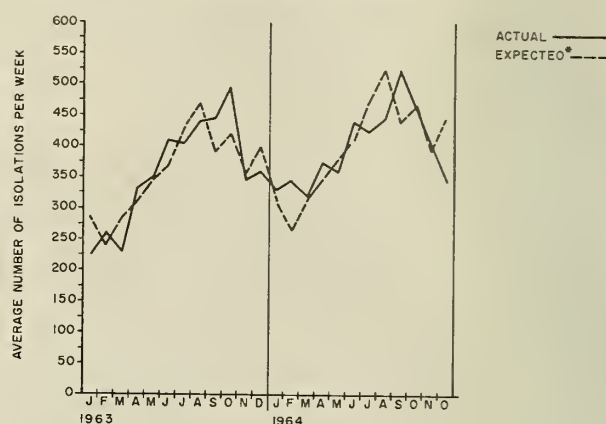
(Continued from front page)

There were 139 serotypes identified in humans of which ten accounted for just under 75 percent of the total isolations. *Salmonella typhi-murium* and *Salmonella typhi-murium* var *copenhagen* were again the commonest isolates from both human and non-human sources; *Salmonella derby*, however, accounted for one third of the human deaths associated with salmonellosis. (Table 1)

Despite better and more comprehensive reporting of salmonellosis in the United States it is believed that there is, in fact, an increased incidence in humans. Figure 2 depicts the reported incidence between 1942 and 1964 and compares the relative prevalence of typhoid fever which has been decreasing since 1942.

During 1964, of the total human isolations reported, 21 percent represented two or more infections within a family. This rate was higher than in 1963 when it was 18 percent. There were 174 persons reported as being infected simultaneously with more than one serotype;

Figure 1.

REPORTED HUMAN ISOLATIONS OF SALMONELLAE
IN THE UNITED STATES

*Derived by application of a seasonal index for each month to the average monthly for 1963 and 1964. The index was computed from monthly reports of salmonellosis cases in the United States compiled by the Morbidity and Mortality Analysis Unit, CDC, 1951-1962 by the ratio to moving average method. See Frederick C. Mills, *Statistical Methods*, 3rd Ed. (New York: Henry Holt & Co., 1955), pp. 302-371.

Table 1. — The ten most common salmonella serotypes isolated from human and non-human specimens in the United States, 1964

Rank	Human			Non-human			Associated with deaths (human)		
	Serotype	Number	Percent	Serotype	Number	Percent	Serotype	Number	Percent
1	<i>typhi-murium</i> & <i>typhi-murium</i> var. <i>copenhagen</i>	5,862	27.8	<i>typhi-murium</i> & <i>typhi-murium</i> var. <i>copenhagen</i>	1,095	20.1	<i>derby</i>	19	33.3
2	<i>derby</i>	2,360	11.2	<i>heidelberg</i>	483	8.8	<i>typhi-murium</i>	16	28.1
3	<i>heidelberg</i>	1,717	8.1	<i>infantis</i>	362	6.6	<i>enteritidis</i>	7	12.3
4	<i>infantis</i>	1,523	7.2	<i>anatum</i>	250	4.6	<i>infantis, muenchen & paratyphi B</i> } (2 ea) 6		
5	<i>newport</i>	1,036	4.9	<i>montevideo</i>	215	3.9	<i>breideney, cholerae-suis</i> } (1 ea) 9		
6	<i>enteritidis</i>	801	3.8	<i>derby</i>	213	3.9	<i>var. kunzendorf, grumpensis, heidelberg, montevideo, newport, typhi, untypable (group C₁) untypable (group H)</i> }		
7	<i>typhi</i>	703	3.3	<i>pullorum</i>	203	3.7			
8	<i>saint-paul</i>	645	3.1	<i>saint-paul</i>	194	3.6			
9	<i>oranienburg</i>	550	2.6	<i>chester</i>	181	3.3			
10	<i>montevideo</i>	524	2.5	<i>newport</i>	161	2.9			
	Total	15,721	74.5	Total	3,357	61.5	Total	57	100.0
	Total (all serotypes) ..	21,113		Total (all serotypes) ..	5,461		Total (all serotypes) ..	57	

164 harbored two serotypes and 10 harbored three. No particular combination of serotypes was noteworthy.

Figure 2
REPORTED INCIDENCE OF HUMAN SALMONELLOSIS
UNITED STATES, 1942-1964

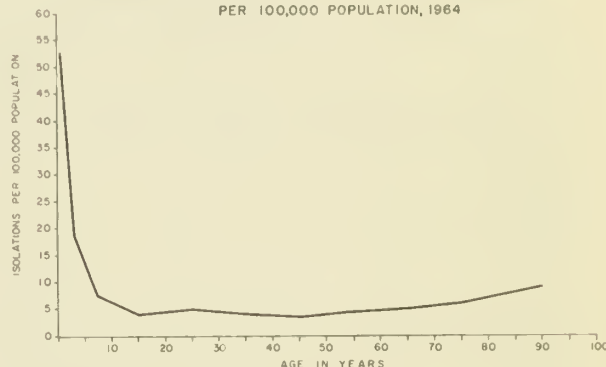


Source: Morbidity and Mortality Weekly Report, Annual Supplements, 1951, 1954, and 1964

There were 52 outbreaks of human salmonellosis reportedly causing an estimated minimum of 2,150 illnesses. Of 38 human epidemics investigated eleven were either presumed or proved to be due to salmonella infected eggs. *Salmonella typhi-murium* was the commonest serotype; it was incriminated in outbreaks on eleven

Figure 3

NUMBER OF HUMAN ISOLATIONS OF SALMONELLAE
PER 100,000 POPULATION, 1964



occasions. No sex predilection was noted generally, although there was a preponderance of infections in males under 20 years and in females over 20 years. Highest attack rates were among infants and in children less than 10 years of age. (Figure 3)

More than half of the isolations from non-human sources were from chickens and turkeys. Recoveries from eggs and egg products showed an increase of 230 percent over the 1963 figure. There was also a sharp increase of 271 percent in recoveries from cold blooded vertebrates, primarily turtles.

(Prepared from the Annual Summary for 1964 of the Salmonella Surveillance Unit, CDC, issued on October 13, 1965. Copies are available on request to the Editor.)

CURRENT TRENDS

TUBERCULOSIS IN THE UNITED STATES

Tuberculosis is a nationally reportable disease and individual case reports are made to the relevant tuberculosis authority at the State level. Data are compiled by the States for an annual statistical report to the Tuberculosis Branch of CDC.

The Tuberculosis Branch publishes an annual statistical review entitled "Reported Tuberculosis Data." This review gives the totals of new cases of active tuberculosis, of tuberculosis deaths, and estimates of the number of tuberculosis cases under medical care or public health supervision in the United States.

Each State is responsible for its own tuberculosis control program and all States maintain such programs. Federal assistance is given through formula grants to all States on a pro rata allocation of annually appropriated funds and through Tuberculosis Project Grants. The Project Grants are made to States which request such aid and are administered by the Tuberculosis Branch of CDC.

During 1964, the Health Departments in the United States reported 50,874 new active cases of tuberculosis, establishing the "new case" rate as 26.6 per 100,000 population. The corresponding case rate for 1963 was 28.7 per 100,000 population.

On January 1, 1965, the available data indicated that an estimated 320,000 persons were enrolled on Departments of Health tuberculosis registers in the United States. Of this total, 105,000 individuals were receiving treatment for active tuberculosis, of whom some 42,000 were in hospitals and sanatoria, and approximately 63,000 were under the medical care of clinics and private physicians. The remaining 215,000 cases included persons under supervision for inactive disease, and cases for which disease activity had not yet been determined. At the beginning of 1965, the selected areas that were receiving special Tuberculosis Project Grants from the Public Health Service included 94,603 of the

(Continued on page 400)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 20, 1965 AND NOVEMBER 14, 1964 (46th WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria		
			Primary	Post-Inf.	Total Cases			Paralytic					
					1965		Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965	
UNITED STATES...	45	52	39	7	-	52	106	-	38	84	4	145	
NEW ENGLAND.....	1	3	-	-	-	-	2	-	-	2	-	2	
Maine.....	-	-	-	-	-	-	1	-	-	1	-	-	
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-	
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-	
Massachusetts.....	-	1	-	-	-	-	-	-	-	-	-	2	
Rhode Island.....	1	2	-	-	-	-	-	-	-	-	-	-	
Connecticut.....	-	-	-	-	-	-	1	-	-	1	-	-	
MIDDLE ATLANTIC.....	6	1	11	-	-	5	15	-	4	13	-	6	
New York City.....	1	-	4	-	-	1	2	-	-	2	-	3	
New York, Up-State.....	2	1	-	-	-	1	10	-	1	9	-	1	
New Jersey.....	3	-	4	-	-	3	3	-	3	2	-	-	
Pennsylvania.....	-	-	3	-	-	-	-	-	-	-	-	2	
EAST NORTH CENTRAL...	11	5	5	5	-	2	23	-	2	16	-	6	
Ohio.....	1	1	3	-	-	-	3	-	-	2	-	1	
Indiana.....	-	-	-	-	-	-	8	-	-	5	-	2	
Illinois.....	3	1	1	2	-	1	6	-	1	5	-	2	
Michigan.....	7	2	1	3	-	1	3	-	1	2	-	-	
Wisconsin.....	-	1	-	-	-	-	3	-	-	2	-	1	
WEST NORTH CENTRAL...	1	8	2	-	-	11	10	-	7	8	-	20	
Minnesota.....	1	1	-	-	-	1	3	-	1	2	-	7	
Iowa.....	-	-	-	-	-	5	1	-	2	1	-	1	
Missouri.....	-	7	-	-	-	1	4	-	-	3	-	1	
North Dakota.....	-	-	-	-	-	-	1	-	-	1	-	-	
South Dakota.....	-	-	1	-	-	-	-	-	-	-	-	8	
Nebraska.....	-	-	1	-	-	3	-	-	3	-	-	2	
Kansas.....	-	-	-	-	-	1	1	-	1	1	-	1	
SOUTH ATLANTIC.....	6	7	3	-	-	1	30	-	1	24	2	37	
Delaware.....	2	-	-	-	-	-	-	-	-	-	-	-	
Maryland.....	-	1	-	-	-	1	1	-	1	1	-	-	
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3	
Virginia.....	1	1	1	-	-	-	4	-	-	4	-	-	
West Virginia.....	-	-	-	-	-	-	1	-	-	1	-	-	
North Carolina.....	-	-	-	-	-	-	12	-	-	7	-	4	
South Carolina.....	2	-	-	-	-	-	1	-	-	1	-	1	
Georgia.....	-	-	-	-	-	-	2	-	-	2	2	20	
Florida.....	1	5	2	-	-	-	9	-	-	8	-	9	
EAST SOUTH CENTRAL...	-	1	-	1	-	3	6	-	1	5	1	28	
Kentucky.....	-	1	-	-	-	1	-	-	-	-	-	-	
Tennessee.....	-	-	-	1	-	2	3	-	1	2	-	2	
Alabama.....	-	-	-	-	-	-	2	-	-	2	1	24	
Mississippi.....	-	-	-	-	-	-	1	-	-	1	-	2	
WEST SOUTH CENTRAL...	3	5	-	-	-	19	9	-	16	8	1	37	
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	2	
Louisiana.....	-	-	-	-	-	2	-	-	1	-	1	10	
Oklahoma.....	-	1	-	-	-	2	3	-	2	2	-	1	
Texas.....	3	4	-	-	-	15	6	-	13	6	-	24	
MOUNTAIN.....	2	2	7	-	-	5	8	-	3	5	-	-	
Montana.....	-	1	2	-	-	-	-	-	-	-	-	-	
Idaho.....	-	-	-	-	-	-	1	-	-	1	-	-	
Wyoming.....	-	-	1	-	-	-	2	-	-	2	-	-	
Colorado.....	-	-	3	-	-	-	2	-	-	2	-	-	
New Mexico.....	1	-	-	-	-	1	3	-	1	-	-	-	
Arizona.....	1	1	1	-	-	4	-	-	2	-	-	-	
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-	
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-	
PACIFIC.....	15	20	11	1	-	6	3	-	4	3	-	9	
Washington.....	1	1	2	-	-	2	-	-	2	-	-	3	
Oregon.....	-	-	1	-	-	1	1	-	1	1	-	1	
California.....	14	19	8	1	-	3	2	-	1	2	-	5	
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-	
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-	
Puerto Rico	-	-	1	-	-	-	-	-	-	-	-	12	

CASES OF SPECIFIED NOTIFIABLE DISEASES UNITED STATES

FOR WEEKS ENDED

NOVEMBER 20, 1965 AND NOVEMBER 14, 1964 (16th WEEK) (Continued)

Area	Brucel- losis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals		1965	Cumulative		1965	Cum. 1965
		1965	1965	1965	1965	1964		1965	1964		
UNITED STATES...	4	667	309	321	29,862	33,726	69	2,702	2,454	11	245
NEW ENGLAND.....	1	40	21	18	1,704	3,036	5	138	78	-	5
Maine.....	-	6	2	3	298	948	-	17	6	-	-
New Hampshire.....	-	3	1	2	163	236	2	9	2	-	1
Vermont.....	1	1	1	-	89	364	-	8	4	-	-
Massachusetts.....	-	24	15	9	674	690	2	51	31	-	3
Rhode Island.....	-	2	-	2	187	188	1	15	10	-	-
Connecticut.....	-	4	2	2	293	610	-	38	25	-	1
MIDDLE ATLANTIC.....	-	126	44	82	5,250	7,415	14	358	316	-	15
New York City.....	-	33	9	24	1,090	1,153	1	59	44	-	-
New York, Up-State.....	-	38	16	22	1,941	3,223	3	101	93	-	6
New Jersey.....	-	25	9	16	988	1,239	7	95	103	-	2
Pennsylvania.....	-	30	10	20	1,231	1,800	3	103	76	-	7
EAST NORTH CENTRAL...	-	150	77	66	5,828	5,359	7	405	332	2	34
Ohio.....	-	30	17	13	1,582	1,399	2	109	88	-	3
Indiana.....	-	15	3	12	493	455	-	49	52	1	9
Illinois.....	-	30	17	9	1,107	1,013	4	107	89	-	15
Michigan.....	-	68	36	32	2,282	2,124	1	93	72	-	3
Wisconsin.....	-	7	4	-	364	368	-	47	31	1	4
WEST NORTH CENTRAL...	-	38	21	15	1,686	1,844	2	134	137	-	22
Minnesota.....	-	4	-	3	191	213	-	32	29	-	9
Iowa.....	-	14	10	4	562	324	-	12	8	-	4
Missouri.....	-	9	4	4	375	455	-	53	62	-	4
North Dakota.....	-	-	-	-	29	63	1	12	20	-	1
South Dakota.....	-	-	-	-	22	133	-	3	3	-	-
Nebraska.....	-	1	-	1	88	53	-	10	6	-	2
Kansas.....	-	10	7	3	419	603	1	12	9	-	2
SOUTH ATLANTIC.....	-	77	31	40	3,082	3,142	10	504	482	6	61
Delaware.....	-	-	-	-	78	70	-	10	6	-	-
Maryland.....	-	16	7	9	550	564	3	50	36	1	3
Dist. of Columbia..	-	2	1	1	46	65	1	11	16	-	-
Virginia.....	-	15	7	6	715	501	2	65	57	-	7
West Virginia.....	-	7	6	1	422	445	-	26	35	-	1
North Carolina.....	-	10	4	6	307	516	2	105	78	2	11
South Carolina.....	-	3	2	1	133	129	1	63	56	1	7
Georgia.....	-	4	-	4	110	105	1	60	81	2	10
Florida.....	-	20	4	12	721	747	-	114	117	-	22
EAST SOUTH CENTRAL...	-	32	22	10	2,144	2,313	4	206	189	-	32
Kentucky.....	-	11	8	3	781	821	-	78	66	-	8
Tennessee.....	-	12	6	6	716	816	1	65	56	-	10
Alabama.....	-	6	5	1	377	446	3	38	43	-	12
Mississippi.....	-	3	3	-	270	230	-	25	24	-	2
WEST SOUTH CENTRAL...	-	56	30	24	2,542	2,626	16	349	279	2	51
Arkansas.....	-	9	3	6	317	263	1	18	30	1	12
Louisiana.....	-	16	11	5	433	637	14	196	127	1	8
Oklahoma.....	-	1	-	1	54	126	-	21	13	-	1
Texas.....	-	30	16	12	1,738	1,600	1	114	109	-	30
MOUNTAIN.....	-	38	19	5	1,634	2,030	2	96	82	-	3
Montana.....	-	4	2	-	141	171	-	2	1	-	-
Idaho.....	-	2	-	-	193	286	-	11	3	-	-
Wyoming.....	-	3	-	-	48	82	-	5	5	-	-
Colorado.....	-	10	8	2	347	530	1	27	15	-	2
New Mexico.....	-	9	6	2	342	286	-	11	33	-	-
Arizona.....	-	6	-	-	348	447	1	20	8	-	1
Utah.....	-	4	3	1	200	177	-	17	7	-	-
Nevada.....	-	-	-	-	15	51	-	3	10	-	-
PACIFIC.....	3	110	44	61	5,992	5,961	9	512	559	1	22
Washington.....	-	7	3	4	448	604	-	39	45	-	-
Oregon.....	-	14	4	5	518	605	1	36	21	-	4
California.....	3	87	37	50	4,743	4,370	8	411	473	1	18
Alaska.....	-	-	-	-	207	266	-	18	7	-	-
Hawaii.....	-	2	-	2	76	116	-	8	13	-	-
Puerto Rico	-	14	11	3	1,275	929	-	11	34	-	54

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
 FOR WEEKS ENDED
 NOVEMBER 20, 1965 AND NOVEMBER 14, 1964 (46th WEEK) - Continued

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
	1965	Cumulative			1965	Cum. 1965	1965	Cum. 1965	1965	Cum. 1965
		1965	1964							
UNITED STATES...	1,702	249,121	471,218	7,333	4	228	11	392	79	3,847
NEW ENGLAND.....	48	37,114	18,646	686	-	2	-	7	2	47
Maine.....	11	2,884	3,275	59	-	-	-	-	-	4
New Hampshire.....	-	382	521	8	-	-	-	-	1	4
Vermont.....	25	1,369	2,370	4	-	-	-	-	-	32
Massachusetts.....	6	19,352	5,847	222	-	2	-	3	-	2
Rhode Island.....	1	3,951	2,180	12	-	-	-	1	1	1
Connecticut.....	5	9,176	4,453	381	-	-	-	3	-	4
MIDDLE ATLANTIC.....	319	15,988	52,841	373	1	1	-	64	13	201
New York City.....	120	2,767	15,435	9	-	-	-	29	-	-
New York, up-State.....	26	4,278	12,929	249	1	1	-	15	13	186
New Jersey.....	73	2,989	12,279	71	-	-	-	7	-	-
Pennsylvania.....	100	5,954	12,198	44	-	-	-	13	-	15
EAST NORTH CENTRAL...	569	58,249	104,168	531	-	14	2	44	11	593
Ohio.....	16	8,974	19,801	39	-	-	-	9	8	321
Indiana.....	59	2,132	23,011	70	-	5	2	12	2	68
Illinois.....	81	3,118	16,709	90	-	6	-	11	-	84
Michigan.....	119	27,081	29,306	231	-	2	-	7	-	58
Wisconsin.....	294	16,944	15,341	101	-	1	-	5	1	62
WEST NORTH CENTRAL...	89	17,031	30,620	344	2	30	-	14	13	773
Minnesota.....	25	748	341	5	-	1	-	1	7	163
Iowa.....	41	9,186	23,432	111	-	-	-	2	3	217
Missouri.....	13	2,635	1,050	3	-	20	-	9	2	115
North Dakota.....	9	3,890	4,927	120	-	-	-	-	-	46
South Dakota.....	-	115	47	14	-	3	-	-	1	58
Nebraska.....	1	457	823	1	2	2	-	2	-	36
Kansas.....	NN	NN	NN	90	-	4	-	-	-	138
SOUTH ATLANTIC.....	160	25,831	39,109	637	1	34	2	77	9	499
Delaware.....	-	508	415	38	-	-	-	4	-	-
Maryland.....	15	1,203	3,428	79	-	-	-	20	-	25
Dist. of Columbia..	5	88	355	5	-	-	-	-	-	-
Virginia.....	33	3,971	12,785	160	-	8	1	9	6	301
West Virginia.....	82	14,383	9,097	196	-	-	-	3	1	23
North Carolina.....	2	405	1,194	35	-	8	-	15	-	3
South Carolina.....	20	1,119	4,285	118	-	3	-	9	-	3
Georgia.....	3	626	209	6	1	15	1	12	1	68
Florida.....	-	3,528	7,341	-	-	-	-	5	1	76
EAST SOUTH CENTRAL...	175	14,752	68,501	1,417	-	22	-	42	10	789
Kentucky.....	124	2,983	18,655	125	-	3	-	10	3	88
Tennessee.....	48	8,280	24,668	1,119	-	18	-	14	7	644
Alabama.....	2	2,347	18,434	153	-	1	-	10	-	16
Mississippi.....	1	1,142	6,744	20	-	-	-	8	-	41
WEST SOUTH CENTRAL...	89	31,482	72,853	772	-	95	3	55	18	619
Arkansas.....	-	1,088	1,149	-	-	65	2	15	2	89
Louisiana.....	1	114	121	-	-	7	-	9	4	80
Oklahoma.....	4	219	1,025	40	-	11	1	9	-	130
Texas.....	84	30,061	70,558	732	-	12	-	22	12	320
MOUNTAIN.....	103	20,368	19,731	1,380	-	16	1	32	-	92
Montana.....	3	3,828	3,575	57	-	4	-	1	-	5
Idaho.....	31	2,918	2,026	113	-	-	-	-	-	-
Wyoming.....	1	855	275	23	-	4	-	1	-	-
Colorado.....	47	5,883	3,322	443	-	-	-	1	-	9
New Mexico.....	6	685	602	521	-	-	-	12	-	21
Arizona.....	9	1,390	6,720	88	-	-	1	14	-	54
Utah.....	6	4,595	2,218	135	-	8	-	1	-	2
Nevada.....	-	214	993	-	-	-	-	2	-	1
PACIFIC.....	150	28,306	64,749	1,193	-	14	3	57	3	234
Washington.....	30	7,382	20,475	356	-	-	-	7	-	8
Oregon.....	39	3,395	8,797	12	-	5	-	8	-	9
California.....	77	13,333	33,613	768	-	9	3	41	3	215
Alaska.....	-	197	1,137	9	-	-	-	-	-	2
Hawaii.....	4	3,999	727	48	-	-	-	1	-	-
Puerto Rico	82	2,727	6,996	2	-	-	-	15	-	13

Morbidity and Mortality Weekly Report

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Week No. Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 20, 1965

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	786	493	41	38	SOUTH ATLANTIC:	1,185	606	51	80
Boston, Mass.-----	278	164	12	14	Atlanta, Ga.-----	120	55	1	16
Bridgeport, Conn.-----	49	27	6	3	Baltimore, Md.-----	274	126	9	21
Cambridge, Mass.-----	20	15	-	-	Charlotte, N. C.-----	48	26	1	2
Fall River, Mass.-----	27	20	-	-	Jacksonville, Fla.-----	76	33	2	7
Hartford, Conn.-----	47	29	1	5	Miami, Fla.-----	85	47	-	5
Lowell, Mass.-----	28	16	1	1	Norfolk, Va.-----	62	27	4	6
Lynn, Mass.-----	32	22	6	3	Richmond, Va.-----	76	37	1	7
New Bedford, Mass.-----	31	23	1	1	Savannah, Ga.-----	31	15	3	1
New Haven, Conn.-----	58	36	2	1	St. Petersburg, Fla.---	79	59	6	2
Providence, R. I.-----	52	34	1	4	Tampa, Fla.-----	77	50	10	5
Somerville, Mass.-----	26	17	-	1	Washington, D. C.-----	207	105	11	5
Springfield, Mass.-----	46	30	5	2	Wilmington, Del.-----	50	26	3	3
Waterbury, Conn.-----	35	21	1	2					
Worcester, Mass.-----	57	39	5	1	EAST SOUTH CENTRAL:	629	315	44	42
					Birmingham, Ala.-----	113	48	1	8
MIDDLE ATLANTIC:	3,518	2,083	162	180	Chattanooga, Tenn.-----	57	26	7	3
Albany, N. Y.-----	48	31	4	2	Knoxville, Tenn.-----	37	18	3	2
Allentown, Pa.-----	39	28	3	1	Louisville, Ky.-----	123	68	17	11
Buffalo, N. Y.-----	164	111	7	6	Memphis, Tenn.-----	117	61	5	9
Camden, N. J.-----	34	18	1	4	Mobile, Ala.-----	52	26	-	4
Elizabeth, N. J.-----	42	26	4	1	Montgomery, Ala.-----	32	17	3	2
Erie, Pa.-----	50	29	1	1	Nashville, Tenn.-----	98	51	8	3
Jersey City, N. J.-----	92	56	6	6					
Newark, N. J.-----	131	72	6	8	WEST SOUTH CENTRAL:	1,086	532	42	92
New York City, N. Y.---	1,748	1,017	74	104	Austin, Tex.-----	33	18	3	2
Paterson, N. J.-----	34	14	3	2	Baton Rouge, La.-----	35	17	1	5
Philadelphia, Pa.-----	497	294	13	18	Corpus Christi, Tex.---	44	20	-	2
Pittsburgh, Pa.-----	213	107	6	10	Dallas, Tex.-----	145	76	2	6
Reading, Pa.-----	54	32	4	2	El Paso, Tex.-----	32	17	3	2
Rochester, N. Y.-----	125	92	7	1	Fort Worth, Tex.-----	70	30	1	12
Schenectady, N. Y.-----	38	21	3	-	Houston, Tex.-----	223	88	5	22
Scranton, Pa.-----	47	32	3	1	Little Rock, Ark.-----	59	30	3	7
Syracuse, N. Y.-----	53	27	3	5	New Orleans, La.-----	138	59	3	12
Trenton, N. J.-----	46	35	5	2	Oklahoma City, Okla.---	91	51	7	5
Utica, N. Y.-----	33	22	5	4	San Antonio, Tex.-----	109	67	2	11
Yonkers, N. Y.-----	30	19	4	2	Shreveport, La.-----	51	25	5	4
					Tulsa, Okla.-----	56	34	7	2
EAST NORTH CENTRAL:	2,719	1,513	111	158					
Akron, Ohio-----	50	24	-	3	MOUNTAIN:	484	231	26	25
Canton, Ohio-----	42	24	2	3	Albuquerque, N. Mex.---	68	29	12	3
Chicago, Ill.-----	788	439	45	49	Colorado Springs, Colo.---	30	22	4	2
Cincinnati, Ohio-----	172	104	4	8	Denver, Colo.-----	108	53	3	9
Cleveland, Ohio-----	206	103	1	10	Ogden, Utah-----	16	12	2	-
Columbus, Ohio-----	125	67	2	8	Phoenix, Ariz.-----	105	49	1	4
Dayton, Ohio-----	81	45	-	4	Pueblo, Colo.-----	23	14	-	2
Detroit, Mich.-----	356	182	26	17	Salt Lake City, Utah---	85	28	2	2
Evansville, Ind.-----	46	35	2	1	Tucson, Ariz.-----	49	24	2	3
Flint, Mich.-----	69	40	4	3					
Fort Wayne, Ind.-----	43	24	-	3	PACIFIC:	1,707	986	51	103
Gary, Ind.-----	33	13	1	7	Berkeley, Calif.-----	26	16	-	-
Grand Rapids, Mich.---	50	38	5	3	Fresno, Calif.-----	51	28	1	4
Indianapolis, Ind.-----	207	113	8	15	Glendale, Calif.-----	41	28	-	2
Madison, Wis.-----	43	16	-	1	Honolulu, Hawaii-----	58	25	1	9
Milwaukee, Wis.-----	134	75	2	3	Long Beach, Calif.-----	90	59	1	3
Peoria, Ill.-----	21	8	3	5	Los Angeles, Calif.-----	524	288	21	34
Rockford, Ill.-----	26	17	-	1	Oakland, Calif.-----	65	39	1	3
South Bend, Ind.-----	30	21	-	1	Pasadena, Calif.-----	40	28	-	1
Toledo, Ohio-----	121	80	5	8	Portland, Oreg.-----	116	77	3	4
Youngstown, Ohio-----	76	45	1	5	Sacramento, Calif.-----	64	40	-	5
					San Diego, Calif.-----	102	56	3	8
WEST NORTH CENTRAL:	912	581	31	42	San Francisco, Calif.---	199	100	5	14
Des Moines, Iowa-----	63	40	-	3	San Jose, Calif.-----	53	30	5	3
Duluth, Minn.-----	34	26	-	-	Seattle, Wash.-----	149	88	5	7
Kansas City, Kans.-----	49	29	3	4	Spokane, Wash.-----	90	55	3	5
Kansas City, Mo.-----	117	71	2	8	Tacoma, Wash.-----	39	29	2	1
Lincoln, Nebr.-----	31	22	4	3					
Minneapolis, Minn.-----	136	97	5	6	Total	13,026	7,340	559	760
Omaha, Nebr.-----	74	44	3	5					
St. Louis, Mo.-----	293	179	5	12	Cumulative Totals				
St. Paul, Minn.-----	73	46	-	-	including reported corrections for previous weeks				
Wichita, Kans.-----	42	27	9	1	All Causes, All Ages -----	565,055			
					All Causes, Age 65 and over-----	318,957			
					Pneumonia and Influenza, All Ages-----	22,748			
					All Causes, Under 1 Year of Age-----	33,402			

*Estimate - based on average percent of divisional total.

TUBERCULOSIS IN THE UNITED STATES

(Continued from page 395)

total cases on their registers. In this group there were 23,007 active cases, of which 11,394 were in hospitals. By June 30, 1965, reports showed that the expansion of existing Projects and the initiation of new ones had resulted in a provisional total of 114,142 cases reported of which 27,811 had active disease; of the latter, 13,226 were under hospital care.

(Reported by the Tuberculosis Branch of CDC.)

EPIDEMIOLOGIC NOTES AND REPORTS TUBERCULOSIS CHEMOPROPHYLAXIS PROGRAM

Menominee County, Wisconsin

The Wisconsin State Board of Health was awarded a Public Health Service Tuberculosis Project Grant on April 1, 1965, to establish a tuberculosis chemoprophylaxis program in the newly created Menominee County in south-central Wisconsin.

The Project is being conducted in two phases. The aim of phase I is to tuberculin test a population of some 2,700 persons, to X-ray all positive reactors, and to establish a definitive diagnosis, followed by the treatment of confirmed cases of active tuberculosis. In phase II a course of INH chemoprophylaxis over a period of 12 months will be given to all positive reactors, their associates, and to contacts of known cases who do not require a full regimen of chemotherapy.

The first phase began on May 17, 1965. By November 5, 2,400 persons had been tuberculin tested of whom 500 had positive reactions of 10mm or more of induration. Of those with positive reactions, 414 have been X-rayed and 106 showed changes indicative of latent or arrested tuberculosis because of calcification, fibrosis or pleural abnormalities. No case of active tuberculosis was found in this group, but one patient had lung cancer. Phase I will continue until all individuals in the study group have been located, skin tested and, where necessary, X-rayed.

Phase II began on August 31, 1965, when 22 individuals were started on a regimen of INH prophylaxis. By November 5, this number had increased to 428. This second phase will continue for each individual throughout a full year, with County Health personnel giving all the support and encouragement necessary to maintain the prophylaxis.

(Reported by Dr. Josef Preizler, Director, Division of Preventable Diseases, Wisconsin State Board of Health; and the Tuberculosis Branch of CDC.)

ERRATUM, Vol. 14, No. 45, P. 386, Table 1:

The figure for the Total Attack Rate '100 in line 3 of the Table should read 45 and not 61.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 14,000, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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CHIEF, EPIDEMIOLOGY BRANCH
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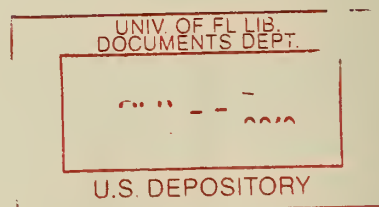
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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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